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FIGURE 1: REPRESENTATIVE ORGANOSILANES

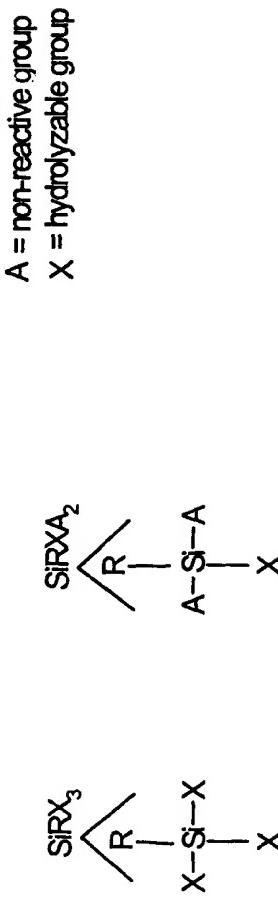
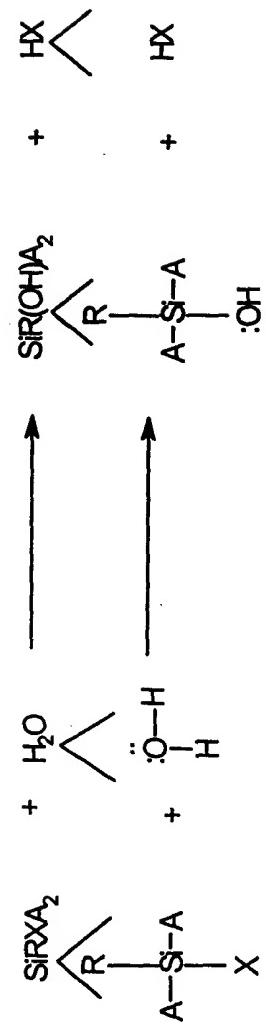


FIGURE 2: HYDROLYSIS OF AN ORGANOSILANE TO PRODUCE AN ORGANOSILANOL



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FIGURE 3: SILANOL CONDENSATION REACTION

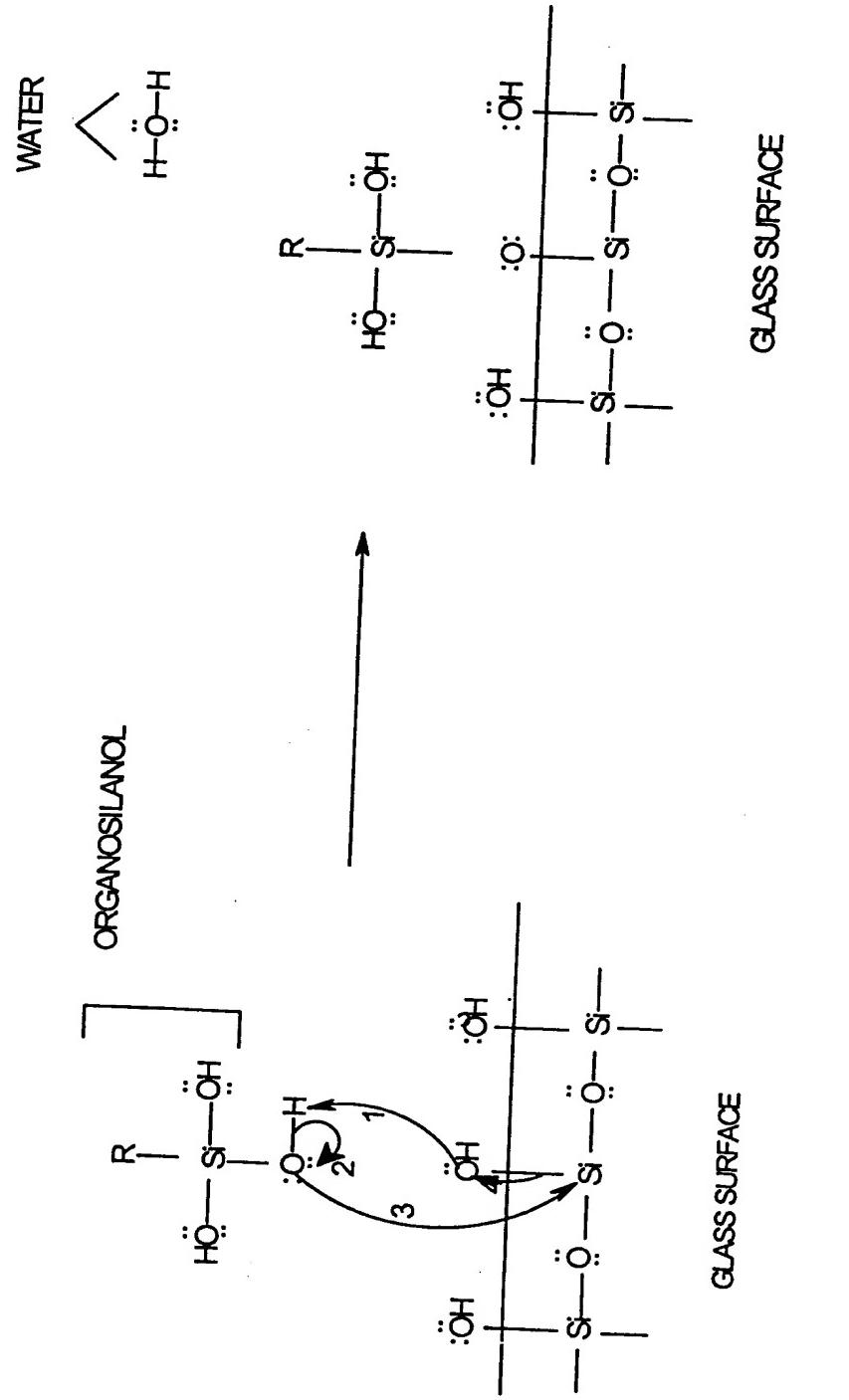
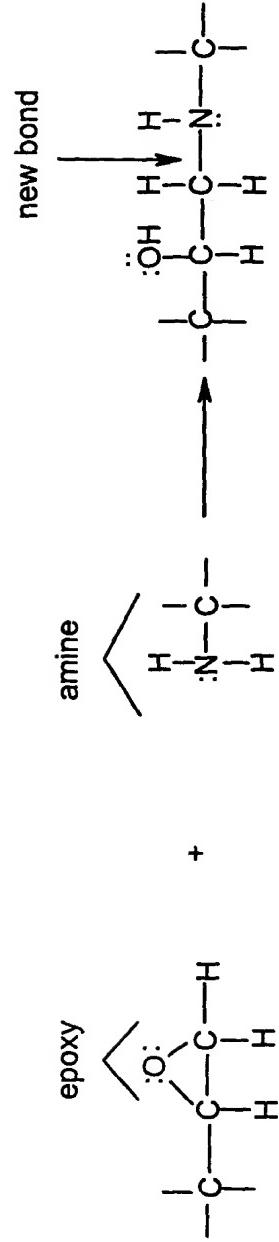
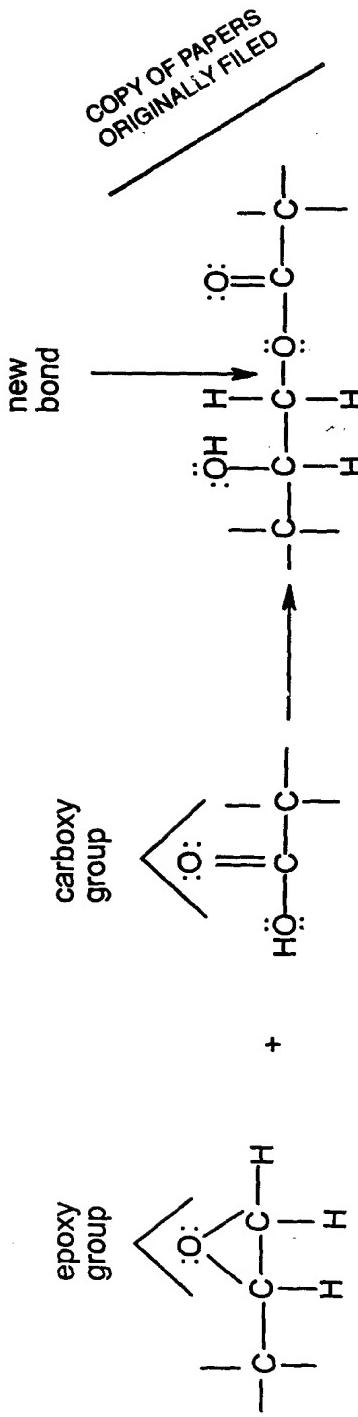


FIGURE 4: REACTIONS OF EPOXY GROUPS

A: With an amine group

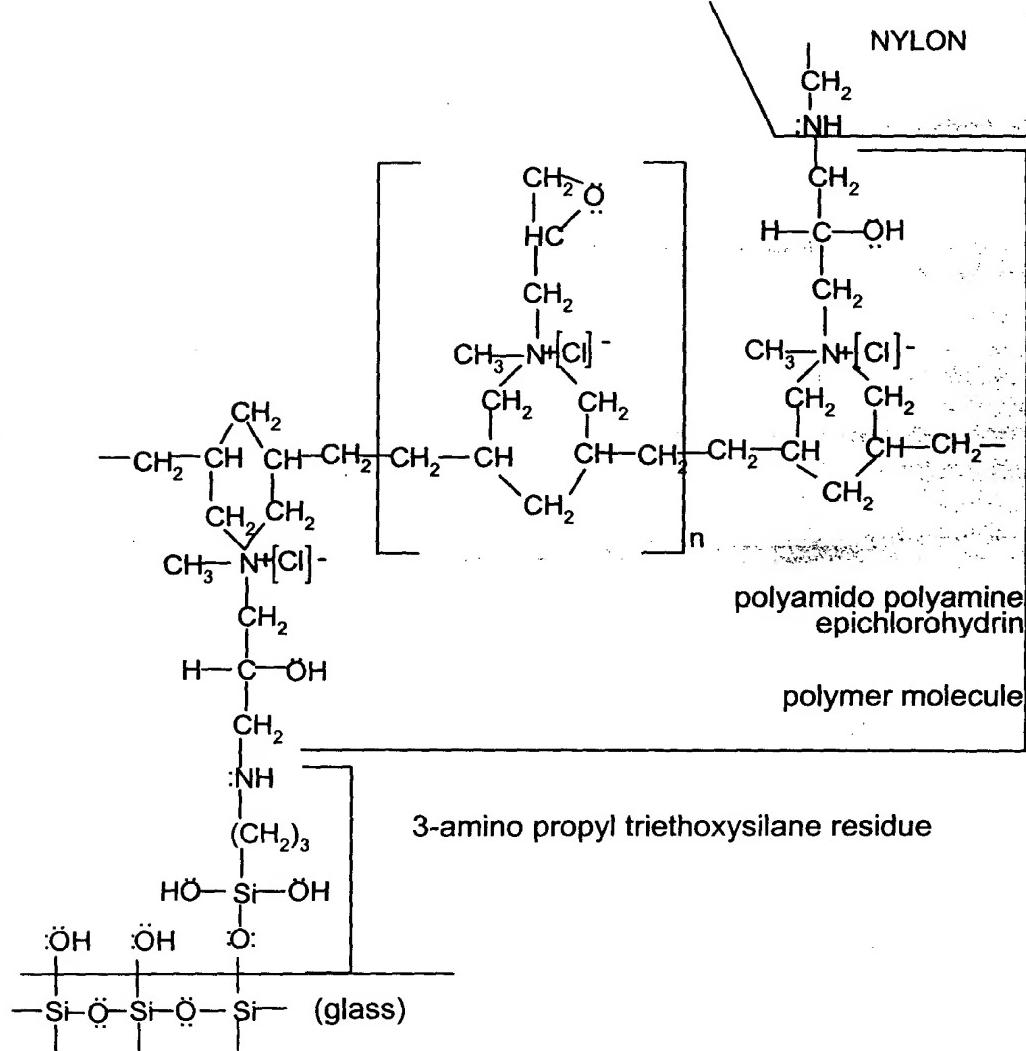


B: With a carboxyl group



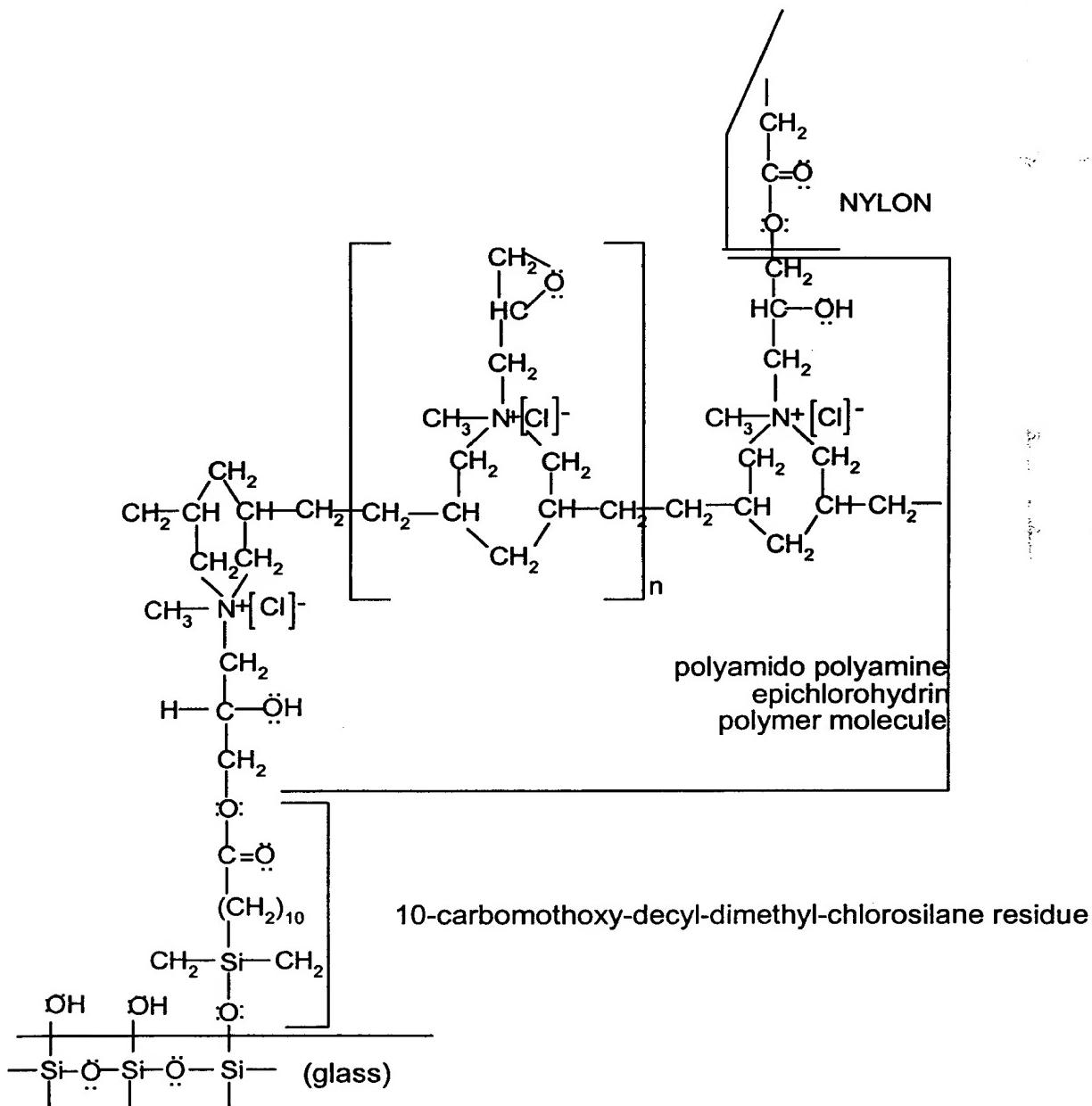
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FIGURE 5A: Bond using 3-Amino propyl triethoxysilane and polyamido polamine epichlorohydrin polymer.



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FIGURE 5B: Bond using 10-carbomethoxy-decyl-dimethyl chlorosilane and polyamido polyamine epichlorohydrin polymer.



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FIGURE 5C: Bond using glycidoxypropyl trimethoxysilane

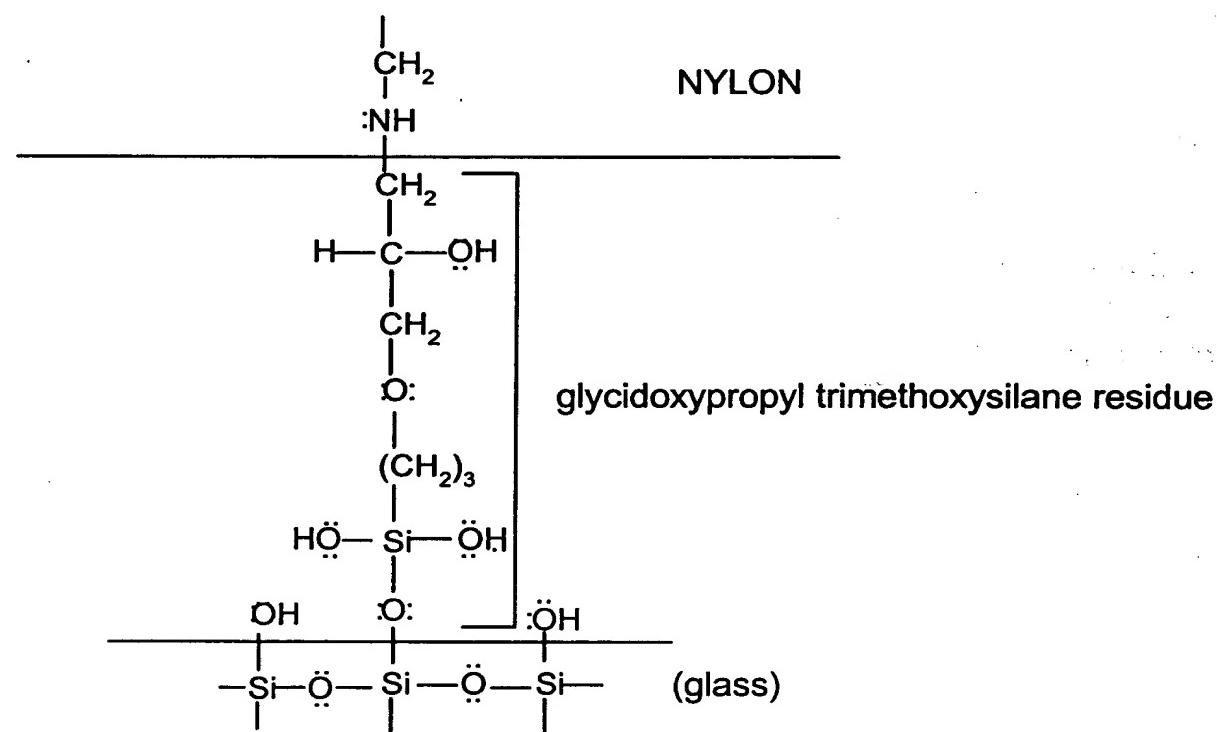


Figure 6.

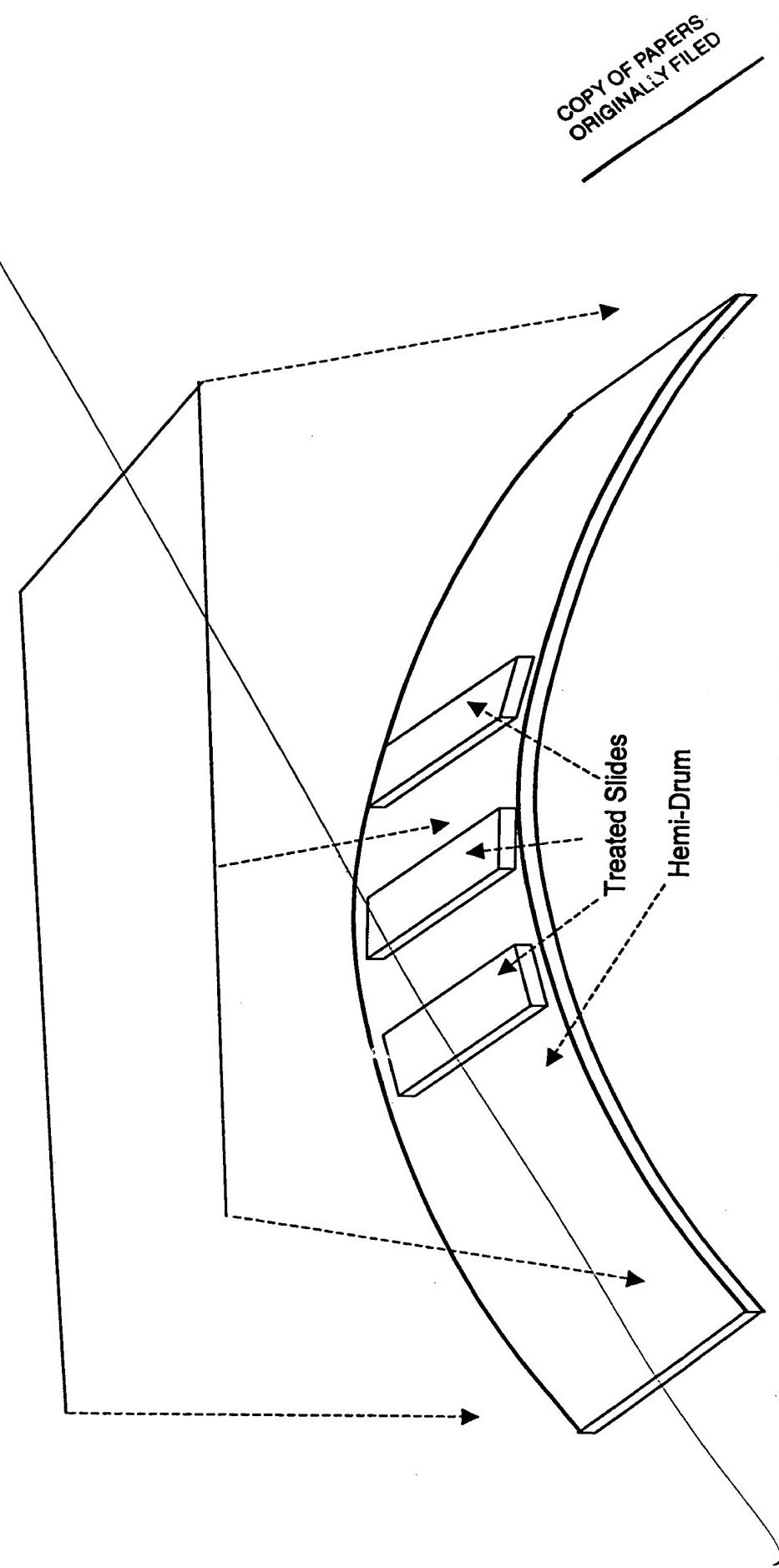


Figure 7.

